



**CHANDLER & ASSOCIATES, INC.**

1860 LINCOLN

1400 LINCOLN TOWER BUILDING  
DENVER, COLORADO 80203  
OIL & GAS EXPLORATION AND PRODUCTION

303 863-9100

March 26, 1984

Bureau of Land Management  
Moab District Office  
125 West 2nd Street  
Moab, Utah 84532

RE: Buzzard Bench Unit Fed. 3-27  
NE NW Sec. 27-19S-7E  
Emery County, Utah

Gentlemen:

Enclosed is the additional information required for permitting the above well:

1. Surface Formation: Emery
2. Geological Markers:

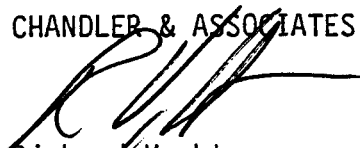
Ferron	2100
Tununk	4200
TD	4300
3. Producing Formation: Ferron
4. Casing Program: Surface 8-5/8, 24#, grade K55-NEW  
Production 5½, 15.5#, grade K55-NEW
5. Blowout Preventer: (a) Shaffer 10" 900 double hydraulic with  
Payne closing unit. One set rams blind  
and one set for 4" drill pipe; tested  
upon installation and daily. (b) 10" 900  
rotary head for use while air or mist  
drilling. Schematic diagram attached.
6. Circulating Medium: Well will be drilled with compressed air  
and mist if required. Mud up will occur  
for running casing only.
7. Auxiliary Equipment: (a) Drill String Floats will be used.  
(b) Float will be used.  
(c) No monitoring on mud system as air will  
be used for drilling.  
(d) Stabbing valve will be used for drill  
pipe.
8. Evaluation Program: No drill stem tests will be run due to air  
drilling. No cores are anticipated. An  
IES and GR-Density will be used for logging.

8. Evaluation Program Cont.: Should this evaluation program indicate commercial quantities of hydrocarbons are in place, casing will be set and completion attempted utilizing hydraulic fracturing techniques. The size of treatment, pounds of propan, volume and type of fluid will be determined after log and formation analysis is completed.
9. Potential Hazards: No abnormal high pressure, temperatures or hydrogen sulfide gas should be encountered. Productive zone is normal in pressure and gas analysis indicate no H<sub>2</sub>S hazard.
10. Starting Date: The anticipated starting date is April 5,  
1984 with operations being conducted  
for 7 days.

Please notify us if any additional information is necessary for the permitting of this well.

Yours ruly,

CHANDLER & ASSOCIATES, INC.



Richard Veghte  
Petroleum Engineer

RV/tz  
attachment

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-52688	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
2. NAME OF OPERATOR CHANDLER & ASSOCIATES, INC.		7. UNIT AGREEMENT NAME Buzzard Bench ✓	
3. ADDRESS OF OPERATOR 1860 Lincoln Street, 1400 Lincoln Tower		8. FARM OR LEASE NAME Buzzard Bench Unit Fed.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1975' FWL; 724' FNL At proposed prod. zone Same NE NW ✓		9. WELL NO. 3-27	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 8 miles NW of Clawson, Utah		10. FIELD AND POOL, OR WILDCAT ✓ Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 724'	16. NO. OF ACRES IN LEASE 1,287.6	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27-19S-7E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---	19. PROPOSED DEPTH 2500'	12. COUNTY OR PARISH Emery	13. STATE Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5999 (ground)		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary	
		22. APPROX. DATE WORK WILL START* April 5, 1984	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12½	8-5/8	24#	120	125 sx
7-7/8	5½	15.5#	2500	150 sx

1. Drill to TD of 2500 (Ferron).
2. Run 5½" casing if commercial production is indicated.
3. If dry hole, P&A as instructed by the BLM.
4. Well will be drilled with compressed air, tested open hole and mud up to run 5½" casing.
5. Well control equipment will include double hydraulic BOP system of 900 series. A fillup line will be installed, equipment pressure mechanically checked daily while drilling.

Well Name: ✓ Buzzard Bench Fed. 3-27

RECEIVED

APR 2 1984

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Richard Veghte TITLE Petroleum Engineer DATE 3/26/84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE: 5/17/84  
BY: John R. Bagg

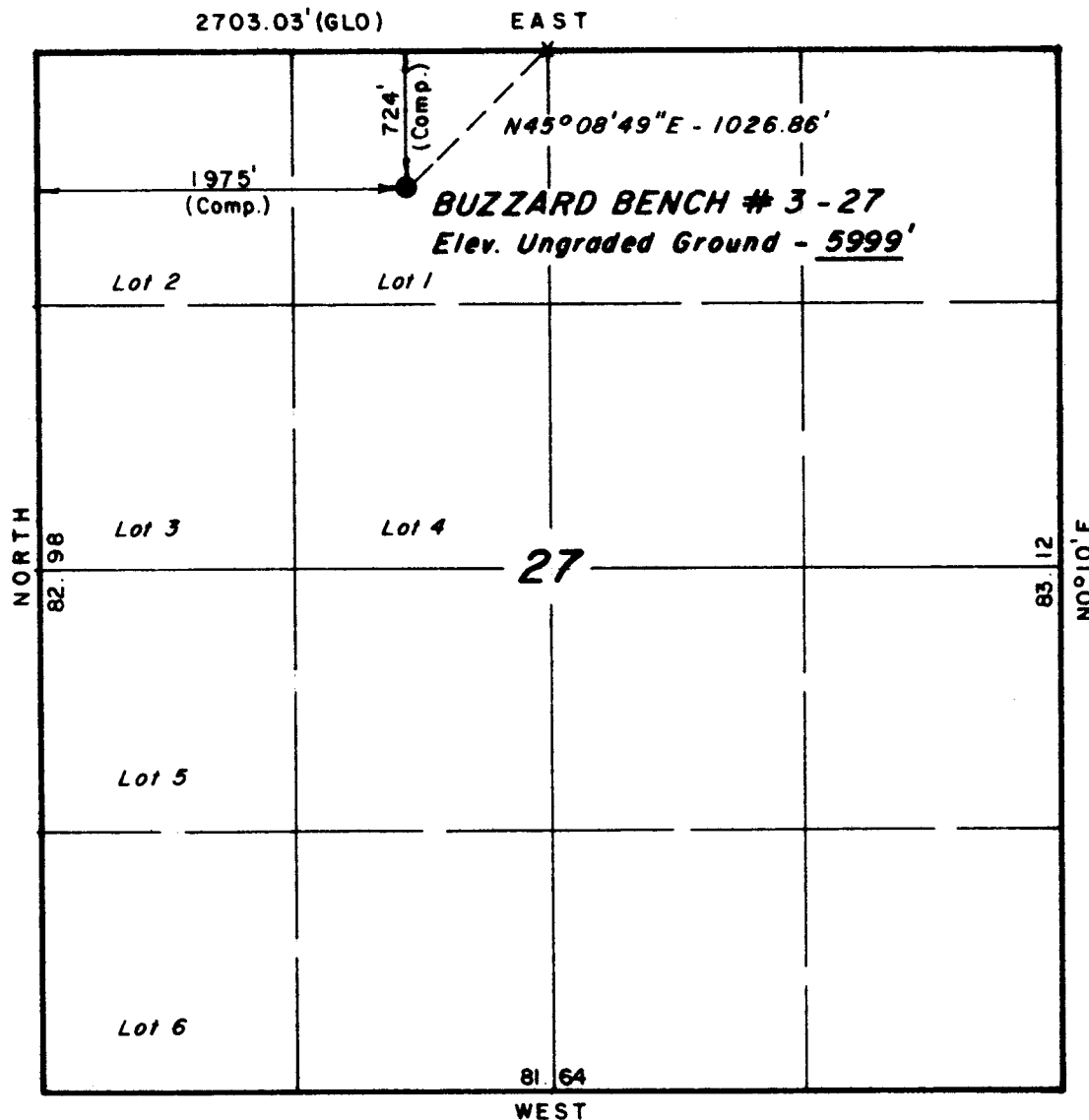
T19S, R7E, S.L.B.&M.

PROJECT

**CHANDLER & ASSOCIATES**

Well location, **BUZZARD BENCH**  
# 3 - 27, located as shown in  
the NE1/4 NW1/4 Section 27,  
T19S, R7E, S.L.B.&M.  
EMERY County, Utah.

BASIS OF BEARS IS FROM SOLAR  
OBSERVATIONS OF THE SUN.



X = Section Corners Located



CERTIFICATE

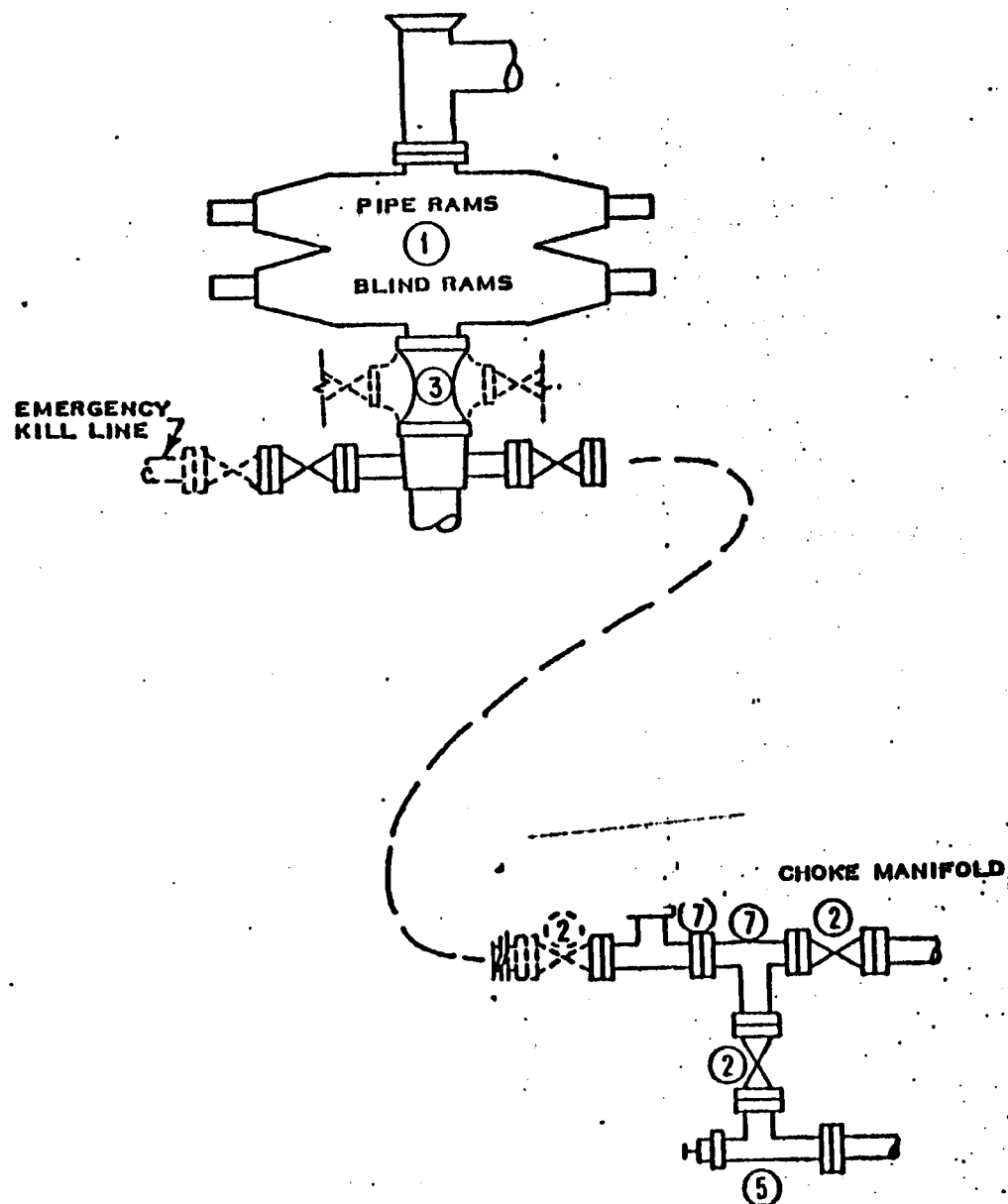
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF

*Helene Marshall*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	2/16/84
PARTY	DA GS DK RP	REFERENCES	GLO Plat
WEATHER	Cold	FILE	CHANDLER

# DOUBLE PREVENTER



- ① SERIES 900 RAM-TYPE BOP
- ② 2" SERIES 900 VALVE
- ③ SERIES 900 DRILLING SPOOL
- ④ 2" MUD PRESSURE GAUGE
- ⑤ 2" SERIES 900 CHOKE
- ⑥ 2" SERIES 900 CHECK VALVE
- ⑦ 2" SERIES 900 STEEL TEE

## NOTES:

1. 3000 PSI WP CLAMP  
HUBS MAY BE SUBSTITUTED  
FOR FLANGES
2. VALVES MAY BE EITHER HAND OR POWER  
OPERATED BUT, IF POWER OPERATED,  
THE VALVES FLANGED TO THE BOP RUN  
MUST BE CAPABLE OF BEING OPENED AND  
CLOSED MANUALLY OR CLOSE ON POWER  
FAILURE AND BE CAPABLE OF BEING  
OPENED MANUALLY

..... OPTIONAL EQUIPMENT

CHANDLER AND ASSOCIATES, INC.

3000 PSI WORKING PRESSURE  
BLOWOUT PREVENTER HOOK-UP  
(SERIES 900 FLANGES OR BETTER)

CHANDLER & ASSOCIATES, INC.

13 Point Surface Use Plan

For

Buzzard Bench #3-27

Located in

Section 27, T19S, R7E, S.L.B.&M.

Emery County, Utah

1. EXISTING ROADS:

- a. Location of proposed well in relation to town or other reference point: approximately 2 miles Northwest of Clawson, Utah.
- b. Proposed route to location: Proceed North out of Clawson, Utah on Highway #10 0.5 miles to the junction of a county road to the Northwest; proceed Northwestly on this road approximately 1.6 miles to the beginning of the proposed access road.
- c. Location and Description of roads in the area: See Topographic Map "B" U-10 is a bituminous surface (Black Topped) road to the county, road which is a graveled road to the proposed access road
- d. Plans for improvement and/or maintenance of existing roads: None
- e. Other: None

2. PLANNED ACCESS ROADS:

- a. Width: 24' maximum disturbed area, 16' Travel lane.
- b. Maximum grades: Not to exceed 10%.
- c. Turnouts: None
- d. Location (centerline): Existing Road
- e. Drainage: Water bars to be flagged by B.L.M.
- f. Surface materials (source): If needed by private source
- g. Other: None

All travel will be confined to existing access road rights-of-way.

The access road will be rehabilitated or brought to Class III Road Standards within sixty (60) days of dismantling of the drilling rig.

If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards, which shall ensure drainage control over the entire road through the use of natural, rolling topography, ditch turnouts, drainage dips, outsloping, crowning, low water crossings, and culverts when necessary, will be determined at the appropriate field inspection.

3. LOCATIONS OF EXISTING WELLS: None within a one mile radius.

4. LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES:

All permanent (onsite for six months or longer) structures constructed or installed (including oil well pump jacks will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 1/2 times the storage capacity of the battery.

Tank batteries will be placed on the: Southeast end of the pad.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. LOCATION AND TYPE OF WATER SUPPLY:

All water needed for drilling purposes will be obtained from:  
**Ferron Irrigation Company.**

6. SOURCE OF CONSTRUCTION MATERIAL:

Road surfacing and pad construction material will be obtained from:  
If needed will be acquired from private source.



The use of materials under B.L.M. jurisdiction will conform to 43 CFR 3610 . 2-3.

Construction materials will not be located on lease.

7. METHODS OF HANDLING WASTE DISPOSAL:

The reserve pit will not be lined.

Burning will not be allowed. All trash must be contained in a trash basket and hauled to a sanitary landfill.

Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

8. ANCILLARY FACILITIES:

Camp facilities will not be required.

9. WELL SITE LAYOUT:

The reserve pit will be located: on the North side of the location.

The stockpiled topsoil will be stored: on the South side of the location pad.

Access to the well pad will be from: The East end of the location.

The trash pit will be located: All trash will be kept in a wire cage and hauled to a sanitary landfill.

Reserve pits will be fenced with a net wire fence and topped with at least one strand of barbed wire.

10. PLANS FOR RESTORATION OF SURFACE:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe etc. Will be removed as approved by the land owner.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: (Shade Scale 1 pound per acre) - (Indian Rice - 2 pounds per acre) - (Sweet Yellow Clover 2 pounds per acre)

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

11. SURFACE AND MINERAL OWNERSHIP

Federal

12. OTHER INFORMATION

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report and Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Richard Veghte

Address: 1860 Lincoln St.  
1401 Denver Club Building

Phone No. (303) 629-6756 863-2100

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by: Chandler & Associates, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions or 18 U.S.C. 1001 for the filing of a false statement.

MAR 29 1984  
Date

  
Vice President & Engineer

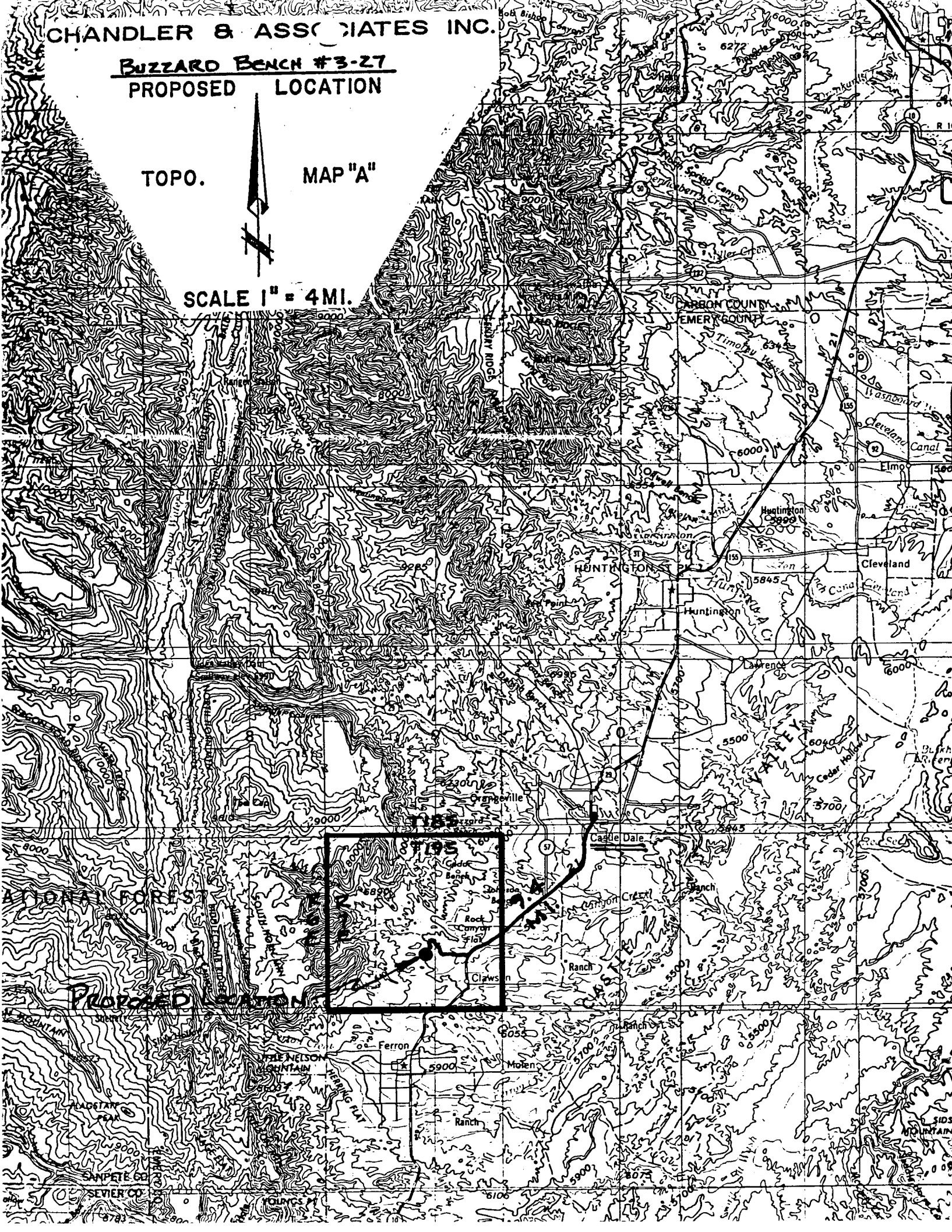
CHANDLER & ASSOCIATES INC.

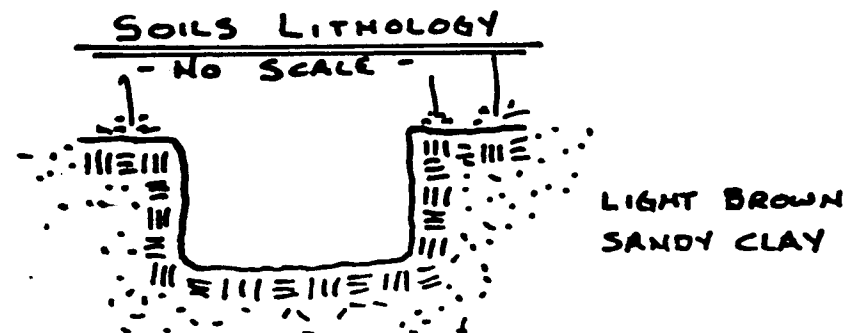
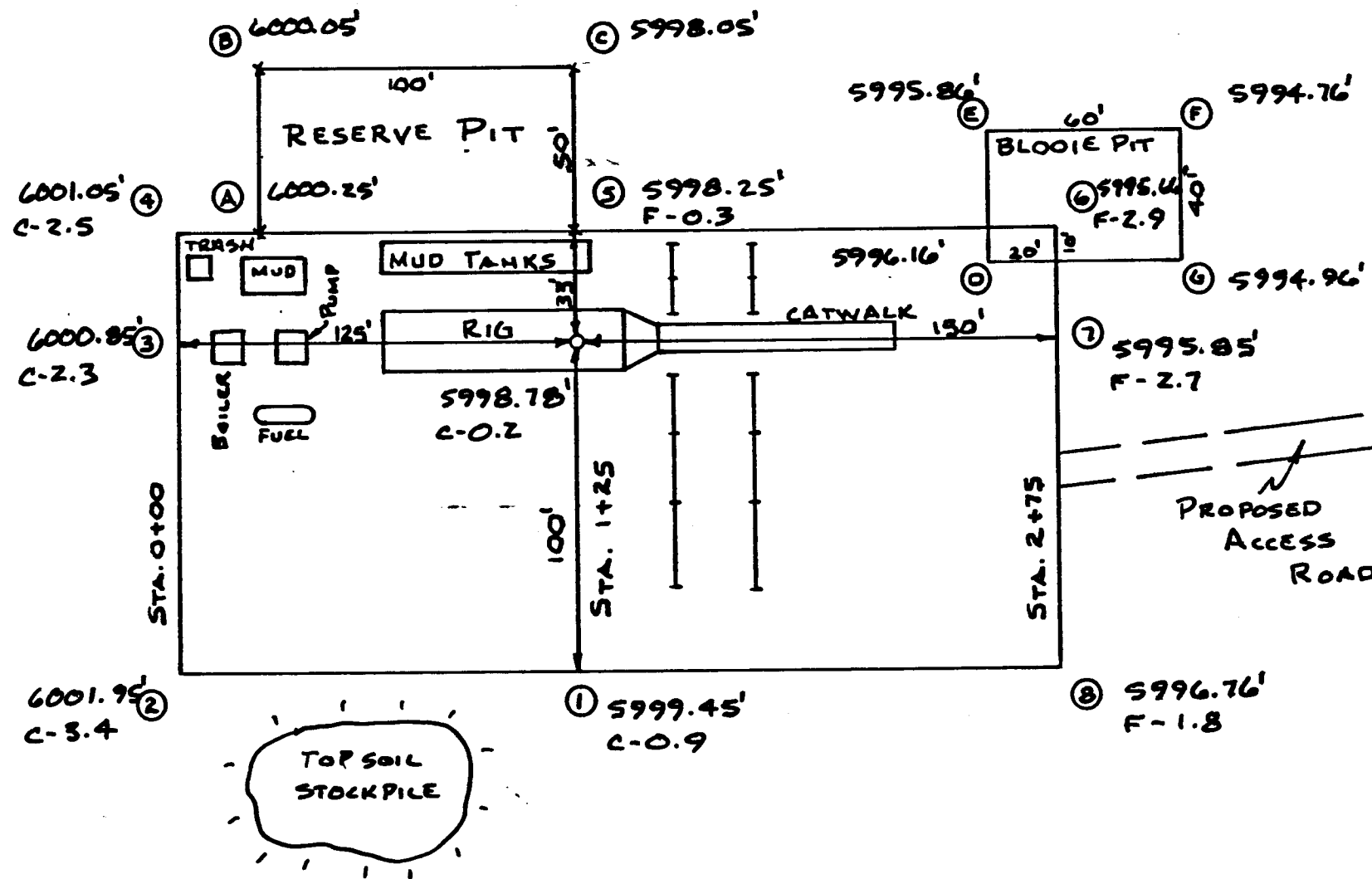
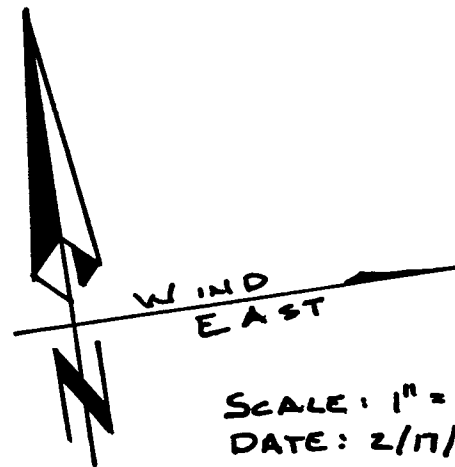
BUZZARD BENCH #3-27  
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.

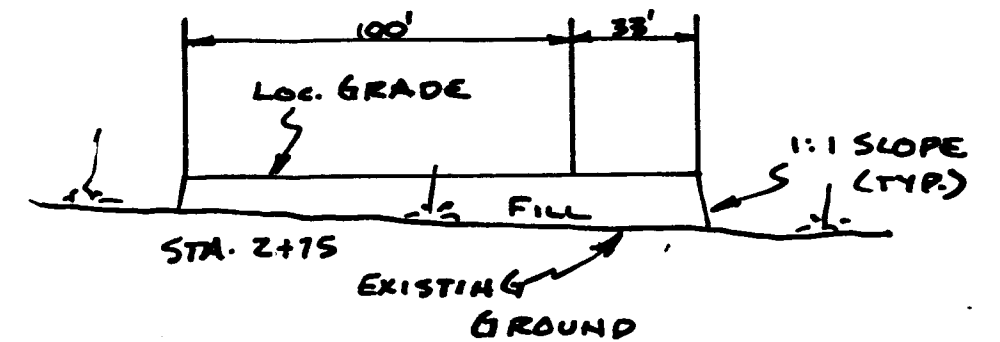
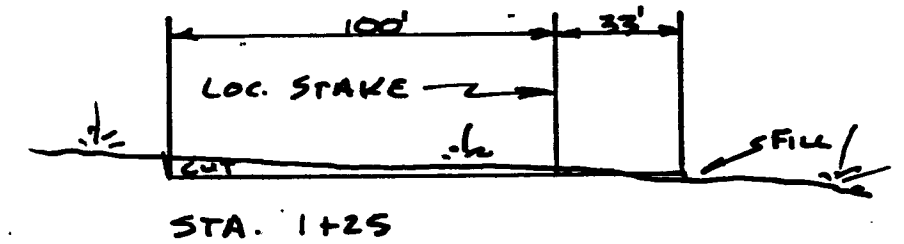
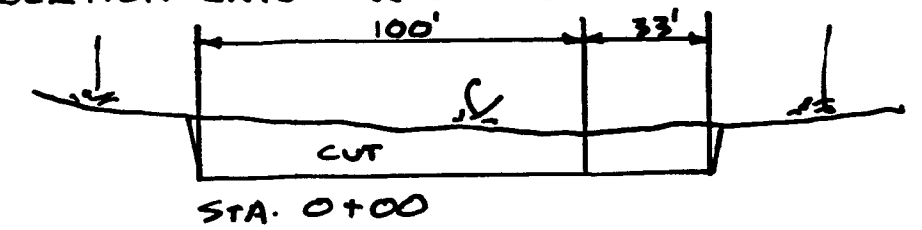




CHANDLER & ASSOCIATES, INC.

BUZZARD BENCH #3-27

LOCATION LAYOUT & CUT SHEET



SCALES

1" = 50'

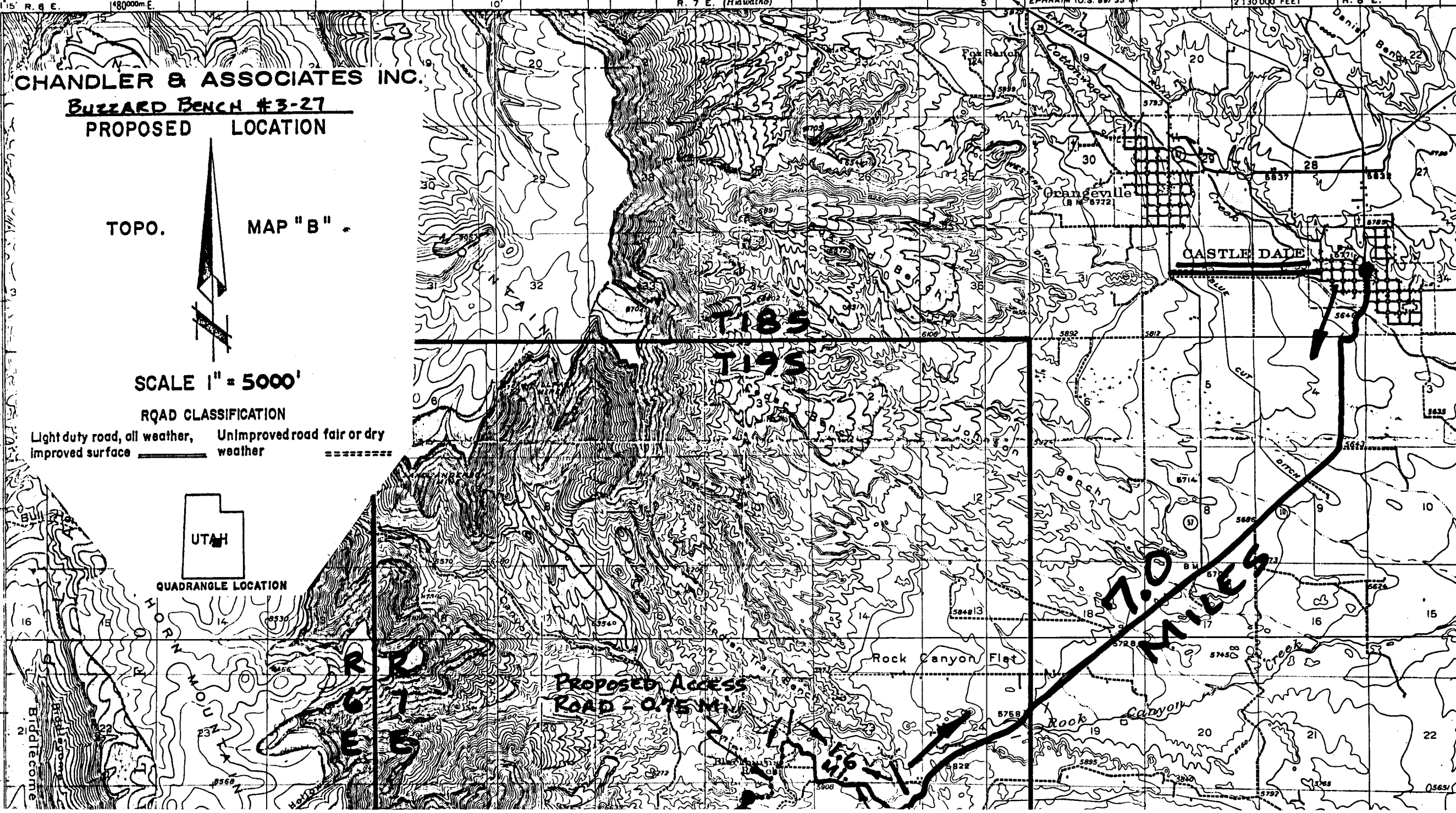
APPROXIMATE YARDAGES

CUBIC YARDS CUT - 1,300

CUBIC YARDS FILL - 1,075

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

UTAH  
(EMERY COUNTY)  
CASTLE DALE QUADRANGLE



CHANDLER & ASSOCIATES INC.  
Buzzard Bench #3-27  
PROPOSED LOCATION

TOPO. MAP "B"

SCALE 1" = 5000'

ROAD CLASSIFICATION

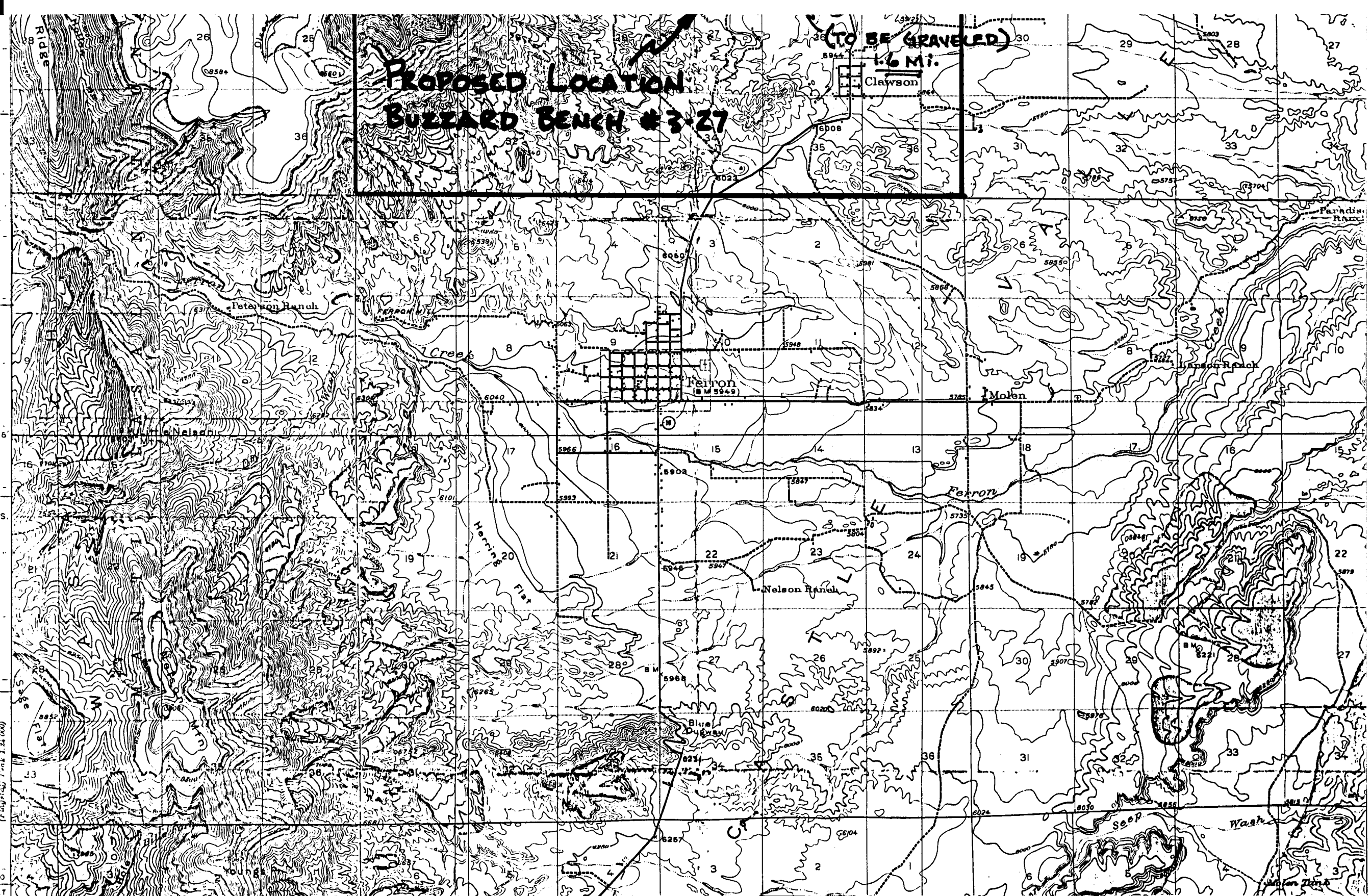
Light duty road, all weather, improved surface  
Unimproved road fair or dry weather

UTAH  
QUADRANGLE LOCATION

Proposed Access Road - 0.75 MI.

7.0 MILES





**Proposed Location  
Buzzard Bench #3-27**

(TO BE GRAVELED)

1.6 Mi.

Clawson

Peterson Ranch

Perron

Perron  
(B M 5949)

Molen

Nelson Ranch

Nelson Ranch

Blue Dugway

Seep

Wash

Topographic Profile 1:24,000

OPERATOR Chandler & Assoc. DATE 4-3-84

WELL NAME Buzzard Bench Unit Fed 3-27

SEC NE NW 27 T 19S R 7E COUNTY Emery

43-015-30194  
API NUMBER

Fed  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:  
Water (Ferron Irrigation Co.)  
Unit Well

APPROVAL LETTER:

SPACING: ☒ A-3 Buzzard Bench ☐ c-3-a CAUSE NO. & DATE  
☐ c-3-b ☐ c-3-c

SPECIAL LANGUAGE:  
1- Water



☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☒ UNIT Buzzard Bend

☐ c-3-b

☐ c-3-c

☐ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☐ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☐ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

May 17, 1984

Chandler & Associates, Inc.  
1860 Lincoln Street  
1400 Lincoln Tower  
Denver, Colorado 80203

RE: Well No. Buzzard Bench Unit 3-27  
NENW Sec. 27, T. 19S, R. 7E  
724' FWL, 1975' FWL  
Emery County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form GGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-015-30194.

Sincerely,

  
R. J. Firth  
Associate Director, Oil & Gas

RJF/as  
cc: Branch of Fluid Minerals  
Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SR/PR Rec'd APR 02 1984

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RECEIVED

MAY 23 1984

DIVISION OF OIL  
GAS & MINING

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24.

SIGNED Richard Veghte TITLE Petroleum Engineer DATE 3/26/84  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY /s/Kenneth V. Rhea TITLE Acting District Manager DATE 5/21/84  
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

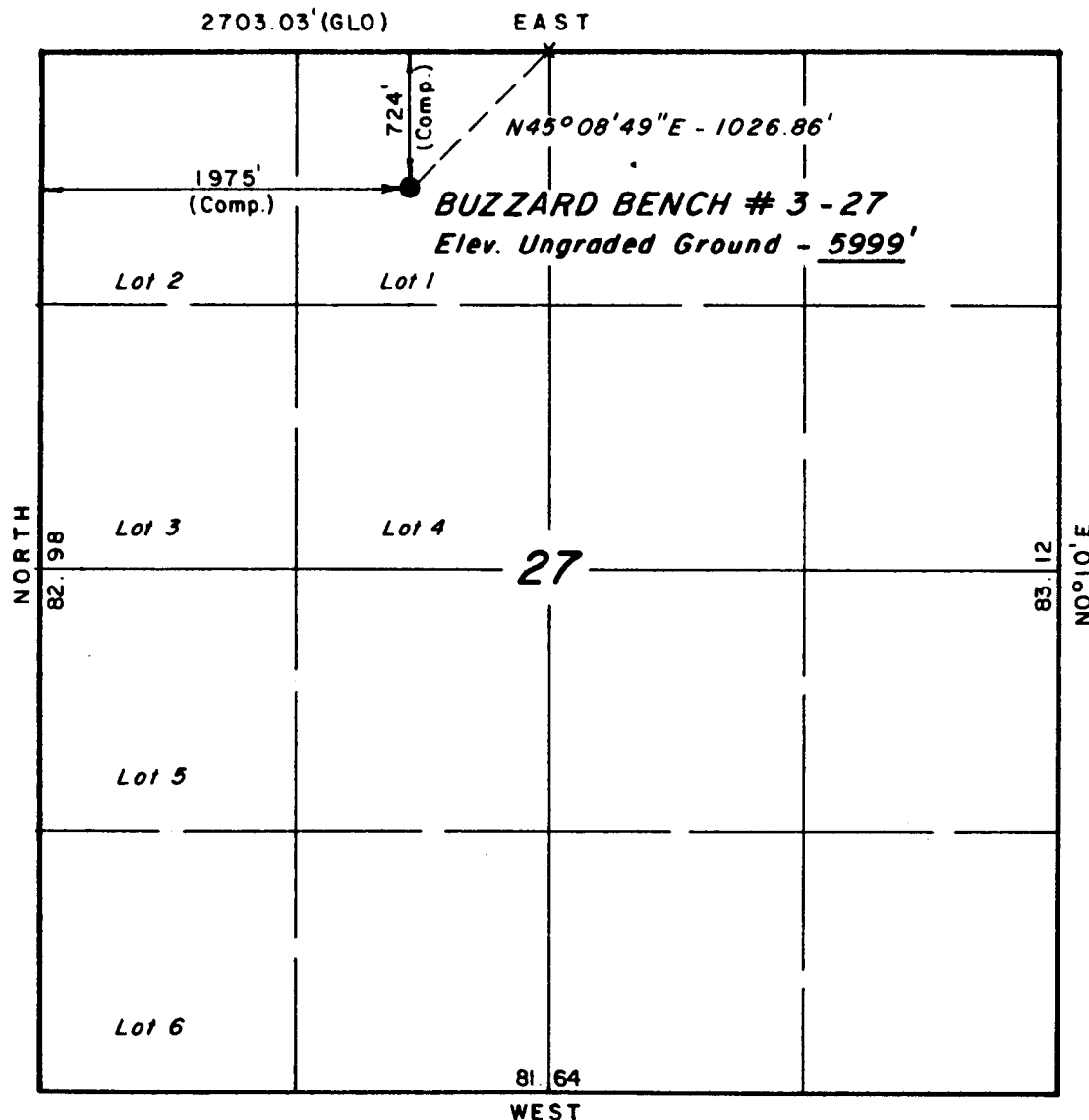
T19S, R7E, S.L.B.&M.

PROJECT

CHANDLER & ASSOCIATES

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EMERY County, Utah.

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CERTIFICATE

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FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Helton Marshall*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	2/16/84
PARTY	DA GS DK RP	REFERENCES	GLO Plat
WEATHER	Cold	FILE	CHANDLER

Chandler & Associates, Inc.  
Well No. Buzzard Bench Unit Fed 3-27  
Sec. 27, T. 19 S., R. 7 E.  
Emery County, Utah  
Lease U-52688

Supplemental Stipulation:

1. Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Ferron Sandstone member of the Mancos Shale formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

ONSITE

DATE: 3/8/84

PARTICIPANTS:

TITLES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216

City: Moab State: Utah

Resource Area Manager's address and contacts are:

Address: 900 North 700 East, P.O. Box AB, Price, Utah 84501

Your contact is: Mervin Miles

Office Phone: 801-637-4584

Home Phone: 801-748-2249

Water  
of  
Bottomwood  
Creek Irrigation  
per mark Pope  
Water Rights

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: CHANDLER & ASSOCIATES

WELL NAME: BUZZARD BENCH 3-27

SECTION NENW 27 TOWNSHIP 19S RANGE 7E COUNTY EMERY

DRILLING CONTRACTOR DESERT DRILLING

RIG # 1

SPODDED: DATE 5-31-84

TIME 4:00 PM

How ROTARY

DRILLING WILL COMMENCE

REPORTED BY RITA

TELEPHONE # 303 863-9100

DATE 6-1-84 SIGNED AS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ Plugged & Abandoned

2. NAME OF OPERATOR  
CHANDLER & ASSOCIATES, INC.

3. ADDRESS OF OPERATOR  
1860 Lincoln St., Suite 1400, Denver, CO 80203

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1975' FWL, 724' FNL (NE NW)

AT TOP PROD. INTERVAL: --

AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

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JUN 19 1984

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF OIL  
GAS & MINING

5. LEASE  
U-52688

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
Buzzard Bench Unit

8. FARM OR LEASE NAME  
Buzzard Bench Unit Fed.

9. WELL NO.  
3-27

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 27-T19S-R7E

12. COUNTY OR PARISH  
Emery

13. STATE  
Utah

14. API NO.  
43-015-30194

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5999' GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well was spud 5-31-84. 8-5/8" surface casing was set at 131' KB on 6-1-84. Well drilled to T.D. of 2362' on 6-4-84 and logged (DIL, FDC-SNP-GR). After evaluation of logs and drilling operations, it was determined to plug the well.

Approval was received from the State of Utah, Division of Oil, Gas & Mining, and Bureau of Land Management was notified to plug the well as follows:

Plug #1 20 sks at 2050-2100  
#2 20 sks at 1790-1840  
#3 35 sks at 82-182  
#4 10 sks at surface

Well was plugged, rig released at 12 Midnight on 6-6-84.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Hugo Cartaya TITLE Petroleum Engineer DATE 6-13-84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

3

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-52688	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>P&amp;A</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
2. NAME OF OPERATOR CHANDLER & ASSOCIATES, INC.				7. UNIT AGREEMENT NAME Buzzard Bench Unit	
3. ADDRESS OF OPERATOR 1860 Lincoln St., Suite 1400, Denver, CO 80203				8. FARM OR LEASE NAME Buzzard Bench Unit Fed.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1975' FWL, 724' FNL (NE NW) At top prod. interval reported below same At total depth same				9. WELL NO. 3-27	
14. PERMIT NO. API 43-015-30194				12. COUNTY OR PARISH Emery	
DATE ISSUED 5-17-84				13. STATE Utah	
15. DATE SPUDDED 5-31-84		16. DATE T.D. REACHED 6-4-84		18. ELEVATIONS (DF, RKB, BT, OR, ETC.)* 5999' GR	
17. DATE COMPL. (Ready to prod.) P&A 6-6-84		19. ELEV. CASINGHEAD --		20. TOTAL DEPTH, MD & TVD 2362'	
21. PLUG, BACK T.D., MD & TVD --		22. INTERVALS DRILLED BY --		23. ROTARY TOOLS all	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A				25. WAS DIRECTIONAL SURVEY MADE --	
26. TYPE ELECTRIC AND OTHER LOGS RUN OIL, EDC, SNP-GR				27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)					
Casing Size 8-5/8"		Weight, lb./ft. 24#		Depth Set (MD) 131'	
Hole Size 12 1/4"		Cementing Record 150 sks		Amount Pulled --	
29. LINER RECORD					
Size n/a		Top (MD)		Bottom (MD)	
Sacks Cement*		Screen (MD)		Tubing Record	
Size n/a		Depth Set (MD)		Packer Set (MD)	
31. PERFORATION RECORD (Interval, size and number) N/A					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
Depth Interval (MD) N/A		Amount and Kind of Material Used			
33.* PRODUCTION					
Date First Production --		Production Method (Flowing, gas lift, pumping—size and type of pump) --			Well Status (Producing or shut-in) Plugged & Abandoned
Date of Test --		Hours Tested --		Choke Size --	
Prod'n. for Test Period --		Oil—BBL. --		Gas—MCF. --	
Water—BBL. --		Gas—Oil Ratio --		Flow. Tubing Press. --	
Casing Pressure --		Calculated 24-hour Rate --		Oil Gravity-API (corr.) --	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) --					
TEST WITNESSED BY --					
35. LIST OF ATTACHMENTS Logs and geologic report to be sent by subcontractors.					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED Ringo Cartaya		TITLE Petroleum Engineer		DATE 6-13-84	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ferron Tununk T.D.	1816 2122 2362					

**GEOLOGICAL WELL REPORT**

**CHANDLER & ASSOCIATES, INC.**

**BUZZARD BENCH 3-27**

**NE NW SEC. 27 T19S R7E**

**EMERY COUNTY, UTAH**

**L. A. (LARRY) PRENDERGAST  
187 RETA DRIVE  
GRAND JUNCTION, COLORADO  
(303) 245-3921**

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**JUL 12 1984**

**DIVISION OF OIL  
GAS & MINING**

CHANDLER & ASSOCIATES, INC.  
BUZZARD BENCH 3-27  
NE NW SECTION 27 - T19S - R7E  
EMERY COUNTY, UTAH

ELEVATIONS: KB 6010', GL 5999'

SPUD DATE: 31 May, 1984

SURFACE CASING: 8 5/8" casing set at 136' with 150 sacks  
of class H cement.

DRILLING FLUID: Air to 2066.  
Air Mist 2066 - 2362.

LOG PROGRAM: Dresser Atlas, Dual Laterolog with Gamma  
Ray; Compensated Densilog, Compensated  
Neutron with Gamma Ray; computed Prolog  
Field Analysis.

LOG TOPS:

<u>Formation</u>	<u>Depth</u>
Blue Gate Shale	Surface
Ferron Sandstone	1816 (+4294)
Tununk Shale	2078 (+3932)

TOTAL DEPTH: 2362' Driller  
2324' Logger

STATUS: Plugged and abandoned  
6 June, 1984

CONTRACTOR: Desert Drilling Rig #1  
Howard Leach, Toolpusher

DRILLING FOREMAN: Carl Winters, Bob Lafferty  
Cotton Fladelang

GEOLOGIST: L. A. Prendergast

SAMPLES: Disposed at well site.

BIT #1: 12 1/4", STC SDGH  
0-37', RR # CK 4070

BIT #2: 7 7/8" REED FP53  
137' - 2362, #30821

Chandler & Associates, Inc.  
Buzzard Bench 3-27

SAMPLE DESCRIPTION

Samples are adjusted to the electronic logs.

Note: Sample quality was uniformly extremely poor with the vast majority of each sample being only dust. Attempts to recover larger sized cuttings proved futile for the most part.

BLUE GATE SHALE

140-1700	Shale - medium to dark gray, firm, blocky, very silty, calcareous, with trace very fine Sandstone grains. This interval was very silty grading to Siltstone from 280-380.
1700-1816	Shale - as above, very silty.

FERRON SANDSTONE

1816-1910	Sandstone - buff, light tan, white, very fine grained, medium sorted, firm to friable, calcareous, with abundant clay matrix.
NSOFC	
1910-1920	Shale - as above.
1920-1938	Shale - as above.
NSOFC	
1938-1982	Shale - as above, some very silty grading to Siltstone.
1982-2018	Sandstone - light gray, light tan, white, very fine grained, medium sorted, subangular, some very silty, well cemented, calcareous.
NSOFC	
2018-2030	Shale - as above.
2030-2078	Sandstone - light gray, light tan, white, very

Chandler & Associates, Inc.  
Buzzard Bench 3-27

2030-2078  
(Cont)  
NSOFC

fine grained, medium to well sorted, medium to  
well cemented, calcareous, some very silty.

TUNUNK SHALE

2078-2362

Shale - dark gray, firm, blocky, very silty,  
calcareous.

Chandler & Associates, Inc.  
Buzzard Bench 3-27

#### FLARES NOTED

No continuous flares were noted at any time. The following flares were noted at connections at depths noted:

<u>DEPTH</u>	<u>SIZE</u>	<u>DURATION</u>
2018'	10'	2-3 sec.
2050'	10'	2-3 sec.
2080	8'	5 sec.
2111	No Flare	
2142	No Flare	
2174	No Flare	
2205	No Flare	
2237	Small Flare (6-8')	2 sec.
2268	No Flare	
2300	Small Flare (6'-8')	2 sec.
2331	No Flare	
2362	TD No Flare	

No sample shows were noted at any time even though several small flares were noted on connections at irregular intervals.

#### DAILY PROGRESS

31 May	Spud at 4:00 p.m.
1 June	Drill to 137'. Set 8 5/8" surface casing. Wait on cement. Nipple up.
2 June	Nipple up at test B.O.P. to 500 lb. Drill plug and cement. Begin drilling formation at <u>1:45 p.m.</u>
3 June	<u>378'</u> Drilling Blue Gate Shale. 413' survey 1/2, <u>1401'</u> survey 1 1/4.
4 June	<u>1615'</u> Drilling Blue Gate Shale. 1802' survey 1 1/4. Ferron Sandstone at 4:00 a.m. Hole became west at 2066. Begin air mist. Several small flares as noted above.
5 June	<u>2186'</u> Drilling Tununk Shale. T.D. 2362. Trip out for logs. Logger T. D. 2324. Ran Dresser

Chandler & Associates, Inc.  
Buzzard Bench 3-27


Atlas logs as noted above: distribute logs as  
per instructions.

6 June                    Receive instructions to plug well.

Plugging orders received from Bob Graf, B.L.M., Moab, Utah.

20 sacks	2050-2100
20 sacks	1790-1840
35 sacks	82-182
10 sacks	Surface

Dry hole marker to be placed below ground level.

  
L. A. Prendergast  
187 Reta Drive  
Grand Junction, Colorado  
(303) 245-3921